KEVICC Key Stage 3 Curriculum Subject: Mathematics			Key Vocabulary and notation.		
Summer Half-Term 1 Lines and Angles					
Term: Year 7 Summer Term – Block One	Topic: Construction, me	easurement and notation	Line Line Segment	Equilateral	
			Ceometric	Scalene	
What is the essential knowledge from this unif? What do students need to remember and understand?			Figure	Length	
			Notation	Square	
Students will build on their key stage 2 skills using rulers, protractors and other measuring equipment to			Polygon	Rectangle	
construct and measure increasingly complex alagrams using correct mathematical notation. This will			Length	Kite	
arrows to indicate parallel lines. Pie charts will be studied here to agin further practice at drawing and			Height	Rhombus	
measuring angles	will be studied here to go	an ionner procince at ardwing and	Width	Parallelogram	
			Figure	Trapezium	
National curriculum content covered:			Degrees	Polygon	
Use language and properties precisely to analyse 2-D shapes.			Angle	Edges	
Begin to reason deductively in geometry including using geometrical constructions.			Quarter turn	Vertex	
Draw and measure line segments and angles in geometric figures, including interpreting scale			Half turn	Equal	
drawings.			Three Quarter	Triangle	
Describe, sketch and draw using conv	entional terms and nota	tions: points, lines, parallel lines,	turn	Decagon	
perpendicular lines, right-angles, regular polygons, and other polygons that are reflectively and rotationally symmetric			Full turn	Pair of	
Use the standard conventions for labelling sides and gnales			Acute	Compasses	
<ul> <li>Construct and interpret pie charts for categorical, ungrouped and grouped numerical data.</li> </ul>			Obtuse	Side	
Identify and construct triangles			Right-angle	Edge	
			Interior	Diagonals	
understand concepts botter. As a result for each block of content in the scheme of learning we			Exterior	Compound	
have provided the following 'small step' breakdown for this unit as follows:			Protractor	Regular	
			Sum	Proportion	
Lesson One - Understand and use letter and labelling conventions including those for geometric			Measure	Frequency	
tigures.			Construct	Total	
Lesson Two - Draw and measure line segments including geometric ligures.			Parallel	Fraction	
Lesson Four - Classify anales			Perpendicular	Comparison	
Lesson Five - Measure anales up to 180°.			Intersect	Sector	
Lesson Six - Draw angles up to 180°.			Mathematical questioning should		
Lesson Seven - Draw and measure angles between 180° and 360°.			be designed to u	npick the	
Lesson Eight - Identify perpendicular and parallel lines.			deepen the student's understanding. When students talk about mathematical		
Lesson Nine - Recognise types of triangle.					
Lesson Ten - Recognise types of quadrilateral.					
Lesson Eleven - Identity polygons up to a decagon.			concepts, they should develop		
Lesson Thirteen - Construct triangles using SSS. SAS and ASA			that helps them explain their		
Lesson Fourteen - Construct more complex polyaons.			ideas fully.		
Lesson Fifteen - Interpret simple pie charts using proportion					
Lesson Sixteen – Interpret pie charts using a protractor			students are expected and		
Lesson Seventeen – Draw pie charts			during all discussions, verbal		
Interleaving/Extension of previous work			feedback and in written content.		
Revisit simplifying and perimeter in e.g. polygons.					
Form and solve equations in geometric settings.					
Revisit mental and formal methods of	addition and subtraction	n, including with decimals.			
What prior learning supports understanding	of this content?	How does this content link to future	learning?		
Draw 2-D shapes using given dimensions and angles.     Calculate and use angles at			point, angles on c	a straight line	
<ul> <li>Find Unknown angles in any inangles, regular polygons.</li> </ul>	regular polygons in any triangles, quadrilaterais, and and vertically opposite angle Calculate missing angles in tri			anales and avadrilaterals.	
Recognise angles where they meet at a point, are on a Understand and use parallel li			ne rules.		
straight line, or are vertically opposite, and find missing  • Understand and use the sum of the su			of angles in any po	lygon.	
angles.     Interpret and construct pie charts and line graphs and use			gles rules.		
these to solve problems.					
Reading: Where in the unit are students supported to read Writing: Independent writing tasks of			and how they are s	tructured	
Complex academic text?     Using the correct subject spec     symbols     organization     symbols     organization     symbols     organization			citic terminology for	numbers and	
problems' – teacher input.			ask for an explanation or a reason		
Decoding complex examination questions - explain what         – examination papers, class b			ooks.		
they are asking the student to do' – teacher input. • Self-evaluation, reviewing, refl			ecting and analysis of own work –,		
Following instructions to solve problems - break down the class books, personalised learn     class books, personalised learn     Creating notes that can be us			ed later for revision	analysis.	
Recognising terminology, numbers, and symbols.     Close the close that can be used in the			nd maps etc.	1 00100303 -	
Recognising patterns and relationship	Recognising patterns and relationships in mathematics.				

## Key assessments:

## How will students review the information learned?

## End of block assessments.

End of block assessments provide a quick progress check at the end of each block of learning to make sure students have understood the content covered.

A Core paper – it is envisaged that all students will take this paper, to provide a direct comparison with the performance of the rest of the cohort. All topics from each term will be covered, and the use of a calculator is expected.

## End of term assessments.

material with more straightforward questions. Non calculator paper.

A Higher paper – students who are working at or above national expectations will have the opportunity to tackle more challenging questions on the same material, plus the extra objectives indicated as "Higher" in our scheme of learning. Non calculator paper. How will feedback be seen?

Personalised learning checklists for end of term assessments identifying strengths and areas of development.

Written teacher feedback and marking in compliance with faculty and College Marking Policies. Student responses to marking.

Students self-mark using purple pen. Verbal feedback given every lesson from teacher and peers as appropriate. Teacher and student self-assessment of presentation of class books will be completed to ensure written work is of high standard and students are achieving their potential.